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(54) PRODUCTION OF MOLDED BODY FOR SINTERING AND SINTERED PARTS

(57)Abstract:

PURPOSE: To shorten the time required to dewax a molded body consisting of metal powder, a binder and a sublimable substance without damaging the molded body by removing the sublimable substance by sublimation before dewaxing.

CONSTITUTION: A molded body is formed with metal powder, a binder and 3-15wt.% sublimable substance which is solid at ordinary temp. This molded body is vacuum-treated under ≤ 50 Torr pressure to sublime the sublimable substance and the resulting porous molded body is dewaxed and sintered. Even when the molded body is rapidly heated, the binder can flow out through the pores and the molded body is not damaged by cracking or swelling. Camphor, naphthalene or dichloro-benzene may be used as the sublimable substance.

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